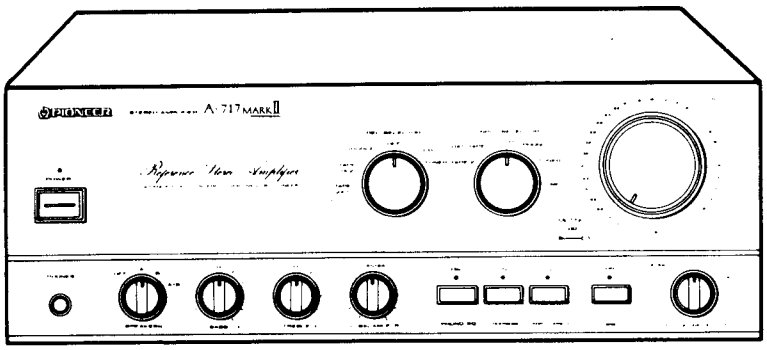
Operating Instructions
Mode d'emploi
Bedienungsanleitung
Istruzioni per l'uso

STEREO AMPLIFIER
AMPLIFICATEUR STÉRÉO
STEREO VERSTÄRKER
APMLIFICATORE STEREO

Original

A-616 MARK II
A-717 MARK II



The illustration shows model A-717 MARK II.
L'illustration montre le modèle A-717 MARK II.
Die Abbildung zeigt Modell A-717 MARK II.
L'illustrazione mostra il modello A-717 MARK II.

ENGLISH ..... 4 ~ 9
FRANCAIS ..... 10 ~ 17
DEUTSCH ..... 18 ~ 25
ITALIANO ..... 26 ~ 31

IMPORTANT

The lightning flash with arrowhead within an equilateral triangle is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

PIONEER®
The future of sound and vision.

<ARE1086-A>

FEATURES

- Drive capacity 150W + 150W/4Ω (DIN) matching to high power and low-impedance-type speaker system.
  [model A-616 MARK II . . . . . 120W + 120W/4Ω (DIN)]
- The use of DIRECT circuit assures high fidelity playback of consistent frequency characteristics, accompanied by maximum clarity.
- REC SELECTOR switch makes tape editing very simple.
- Non-Switching Circuit Type III (A-616 MARK II is Type II) is employed to realize high quality sound with minimum distortion.
- Comes with a built-in phono equalizer which accepts MC cartridge.
- Casted Power Transformer (A-717 MARK II only)
- Honeycomb Frame Chassis
- Honeycomb Heat Sink

CARACTERISTIQUES

- Puissance de sortie de 150W + 150W sur 4 ohms (DIN) pour enceintes de haute puissance et faible impédance.
  [modéle A-616 MARK II . . . . . 120W + 120W sur 4 ohms (DIN)]
- L'utilisation d'un circuit d'entrée DIRECT assure une reproduction haute fidélité de toute la gamme de fréquences avec une pureté maximum.
- Sélecteur d'enregistrement (REC SELECTOR) facilitant le montage de bande.
- L'utilisation d'un circuit sans commutations de type III (type II pour le A-616 MARK II) permet unt qualité sonore élevée et une distorsion minimum.
- Equipé d'un correcteur pour entrée phono acceptant des cellules à bobine mobile (MC).
- Transformateur d'alimentation blindé (A-717 MARK II uniquement).
- Châssis de type nid d'abeille.
- Radiateur thermique de type nid d'abeille.

MERKMALE

- Ausgangslelstung von 150W + 150W/4 Ohm (DIN), passend für hochbelastbare, nlederimpedante Lautsprecherboxen. [Modell A-616 MARK II . . . . . 120W + 120W/4 Ohm (DIN)]
- Eine Direkteingangsschaltung sorgt für hohe Wiedergabetreue mit gleichblelbenden Frequenzelgenschaften und höchster Klangrelnheit.
- Aufnahme-Eingangswahlschalter für problemlose Aufnahmen und Aufnahme-Mitschnitte.
- Ein nichtschaltender Kreis des Typs III (A-616 MARK II mit Typ II) garantiert qualitativ hochwertigen Klang mit minimalsten Verzerrungswerten.
- Mit eingebautem Phono-Entzerrer, geeignet für MC-Tonabnehmer.
- Eingegossener Netztransformator (A-717 MARK II).
- Honigwaben-Rahmenchassis.
- Honigwaben-Kühlkörper.

CARATTERISTICHE

- 150W + 150W/4 ohm (DIN) di capacità di comando adatta a diffusori di alta potenza e bassa impedenza
  [Modelo A-616 MARK II . . . . . 120W + 120W/4 ohm (DIN)]
- L'uso del circuito DIRECT garantisce una riproduzione ad alta fedeltà con caratteristiche di frequenza costanti e massima chiarezza.
- L'interruttore REC SELECTOR semplifica il montaggio di un nastro.
- Il circuito a non commmutazione di Tipo III (di Tipo II nel caso dell' A-616 MARK II) viene impiegato per produrre un suono di alta qualità con minima distorsione
- Incorpora un equalizzatore fono che accetta il segnale di testine MC
- Trasformatore di potenza gettato (solo A-717 MARK II)
- Telaio con struttura a nido d'ape
- Dissipatore termico a nido d'ape

MAINTENANCE OF EXTERNAL SURFACES

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the surfaces are very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzine, insecticide sprays and other chemicals on or near this unit, since these will corrode the surfaces.

GEHÄUSEPFLEGE

- Ein Poliertuch oder anderes weiches Tuch verwenden, um Staub und Schmutz abzuwischen.
- Bei sehr starker Verschmutzung der Oberflächen dieses mit einem weichen, mit etwas neutralem Putzmittel (fünf-oder sechsfach mit Wasser verdünnt) befeuchteten Tuch abwischen, dann mit einem trockenen Tuch trockenwischen. Weder Wachs noch Reinigungsmittel für Möbel verwenden.
- Niemals Verdünnungsmittel, Benzin, Sprühmittel zur Insektenvernichtung und andere Chemikalien auf das Gehäuse auftragen oder in der Nähe dieses Gerätes verwenden, weil sonst die Oberflächen angegriffen werden.

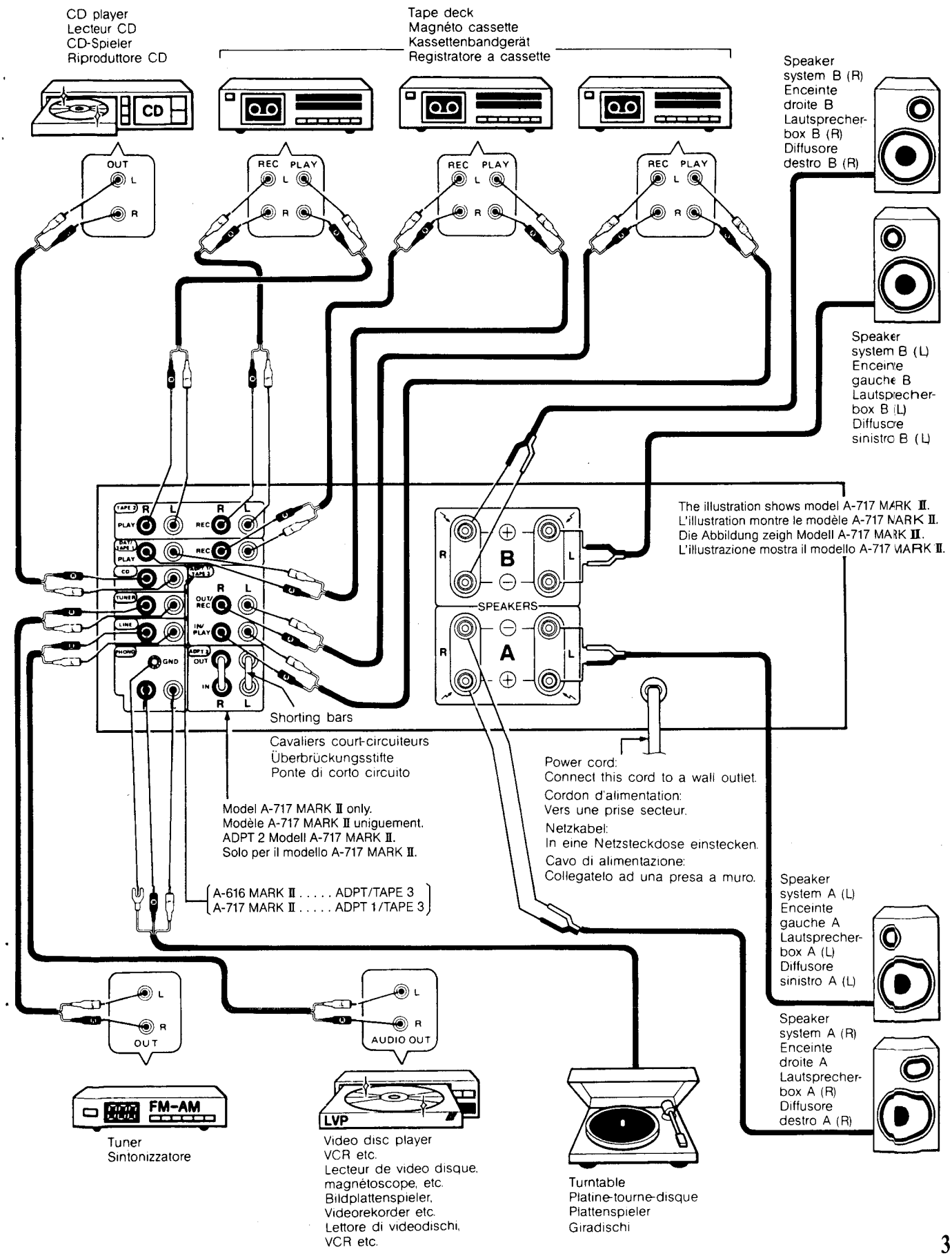
ENTRETIEN DES SURFACES EXTÉRIEURES

- Se servir d'un linge à polir ou d'un chiffon sec pour enlever la poussière ou les souillures.
- Si les surfaces sont très sales, les frotter avec un linge doux trempé dans un détergent neutre, dilué dans cinq ou six fois son volume d'eau, puis essuyer convenablement les surfaces. Ne pas utiliser de cire ou de produit pour meubles.
- Ne jamais utiliser de diluant pour peinture, de benzine ou d'insecticide en atomiseur sur ou à proximité de l'appareil, car ses surfaces en seraient endommagées.

MANUTENZIONE DELLE SUPERFICI ESTERNE

- Togliere la polvere e lo sporco con un panno pulito e asciutto.
- Se le superfici sono molto sporche, pulirle con un panno morbido inumidito con un agente neutro diluito cinque o sei volte in acqua, quindi asciugare con un panno asciutto. Non usare pulitori o cera per mobili.
- Non usare mai solventi, benzina, insetticidi ed altre sostanze chimiche su o vicino all'apparecchio perché ne corrodono le superfici.

CONNECTIONS ANSCHLÜSSE
CONNEXIONS COLLEGAMENTI


CD player
Lecteur CD
CD-Spieler
Riproduttore CD
Tape deck
Magnéto cassette
Kassettenbandgerät
Registratore a cassette
Speaker system B (R) Enceinte droite B Lautsprecher-box B (R) Diffusore destro B (R)
Speaker system B (L) Enceinte gauche B Lautsprecher-box B (L) Diffusore sinistro B (L)
The illustration shows model A-717 MARK II.
L'illustration montre le modèle A-717 MARK II.
Die Abbildung zeigh Modell A-717 MARK II.
L'illustrazione mostra il modello A-717 MARK II.
SPEAKERS
Shorting bars
Cavaliers court-circuiteurs
Überbrückungsstifte
Ponte di corto circuito
Power cord:
Connect this cord to a wall outlet.
Cordon d'alimentation:
Vers une prise secteur.
Netzkabel:
In eine Netzsteckdose einstecken.
Cavo di alimentazione:
Collegatelo ad una presa a muro.
Model A-717 MARK II only.
Modèle A-717 MARK II uniquement.
ADPT 2 Modell A-717 MARK II.
Solo per il modello A-717 MARK II.
A-616 MARK II . . . . . ADPT/TAPE 3
A-717 MARK II . . . . . ADPT 1/TAPE 3
Speaker system A (L) Enceinte gauche A Lautsprecher-box A (L) Diffusore sinistro A (L)
Speaker system A (R) Enceinte droite A Lautsprecher-box A (R) Diffusore destro A (R)
Tuner
Sintonizzatore
Video disc player
VCR etc.
Lecteur de video disque, magnétoscope, etc.
Bildplattenspieler, Videorekorder etc.
Lettore di videodischi, VCR etc.
Turntable
Platine-tourne-disque
Plattenspieler
Giradischi

CONTENTS

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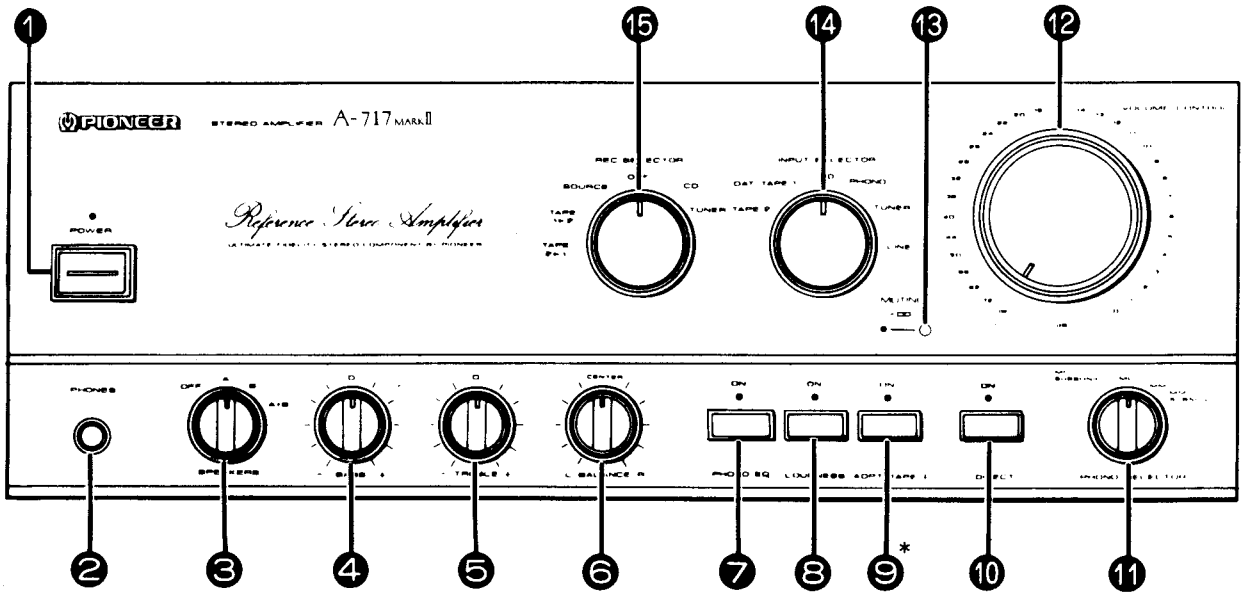
Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

PANEL FACILITIES

Fig. 1



Model A-616 MARK II is not equipped with ❼ and ⓭

* A-616 MARK II . . . . . ADPT/TAPE 3
A-717 MARK II . . . . . ADPT 1/TAPE 3

Fig. 2

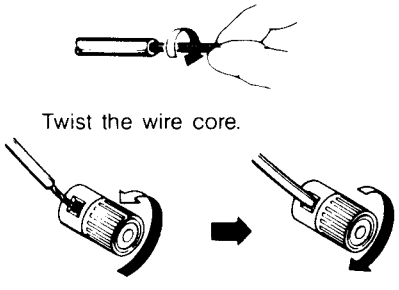


Fig. 3

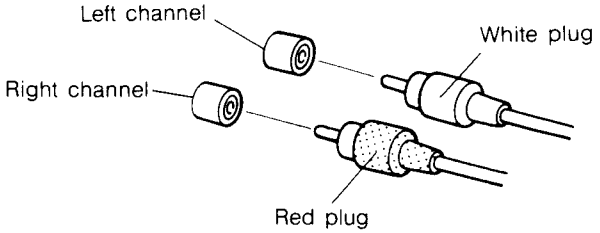


Fig.1

❶ POWER switch/indicator
Press to turn power to the unit ON and OFF.

❷ PHONES jack
When using headphones, insert the plug into this jack.

❸ SPEAKERS selector switch
Use this switch to listen to the speaker systems connected to the SPEAKERS terminals.

OFF:
Released position. No sound is heard from the speaker system. Set to this position when listening with headphones.

A:
For reproduction of sound with the speaker systems connected to the SPEAKERS A terminals.

B:
For reproduction of sound with the speaker systems connected to the SPEAKERS B terminals.

A + B:
For reproduction of sound with the speaker systems connected to SPEAKERS A and B terminals.

❹ BASS tone control
Use to adjust the low-frequency tone. The center position is the flat (normal) position. When turned to the right, low-frequency tones are emphasized; when turned to the left, low-frequency tones are de-emphasized.

> *NOTE:*
> *This function does not operate when the DIRECT switch is in the ON position.*

❺ TREBLE tone control
Use to adjust the high-frequency tone.
The center position is the flat (normal) position. When turned to the right, high-frequency tones are emphasized; when turned to the left, high-frequency tones are de-emphasized.

> *NOTE:*
> *This function does not operate when the DIRECT switch is in the ON position.*

❻ BALANCE control
Should normally be left in the center position. Adjust balance if the sound is louder from one of the speakers. If the right side is louder, turn toward the LEFT position and if the left side is louder, turn toward the RIGHT position.

> *NOTE:*
> *This function does not operate when the DIRECT switch is in the ON position.*

❼ PHONO EQ switch/indicator (Model A-717 MARK II only)
When not using a phono input, turn the phono equalizer power circuit off in order to prevent it from collecting noise during playback of other sources.

ON:
The indicator lights: Always set to this position when using a phono input. Immediately after turning ON, audio signal will be muted for several seconds until circuit operation becomes stable.

OFF:
The indicator goes off: Set to this position when not using a phono input.

❽ LOUDNESS switch/indicator
Use when listening at low value levels.

ON:
The indicator lights: Boosts low and high frequencies to give added punch to playback even at low-volume.

OFF:
The indicator goes off: Should normally be left in this position.

> *NOTE:*
> *This switch does not operate when the DIRECT switch is in the ON position.*

❾ ADPT 1/TAPE 3 switch/indicator
(ADPT/TAPE 3 switch in the A-616 MARK II)
Use this switch to listen to tape playback, or to listen to the sounds being recorded during tape recording.

ON:
The indicator lights: Press when listening to the playback sound of the tape deck or the adaptor connected to the ADPT 1/TAPE 3 PLAY terminals, or to monitor the sound being recorded on the tape deck connected to the ADPT 1/TAPE 3 REC terminals.

OFF:
The indicator goes off. Normally leave the switch in this position.

> *NOTE:*
> *When the DIRECT switch is set to ON, this function does not operate and no signal is output at the ADPT 1/TAPE 3 REC terminals.*

❿ DIRECT switch/indicator
Use this switch/indicator when you do not wish to pass the output from input terminal equipment through the various frequency adjusting circuits and adaptor terminals (ADPT 1/TAPE 3, ADPT 2, BASS, TREBLE, BALANCE, LOUDNESS).

ON:
When the switch is in this position, the indicator lights and the signals input from the input terminals are reproduced without passing through the various frequency-adjusting circuits. This results in flat, pure sound which is a more faithful reproduction of the input source.

OFF:
When the switch is in this position the indicator goes out and the signal passes through the various frequency adjusting circuits.

PANEL FACILITIES

⓫ PHONO SELECTOR switch
Set in accordance with the type of cartridge used in your record turntable.

MM:
Set to this position when using a moving magnet cartridge or a moving coil cartridge with high output of 1 mV or more.

MC:
Set to this position when using a moving coil cartridge.

MM SUBSONIC/MC SUBSONIC:
Subsonic filter for moving coil or moving magnet cartridges to cut ultralow frequency noise less than 17 Hz generated when playing a warped record.
When using a high-output moving coil cartridge, set this switch to MM or MM SUBSONIC.

⓬ VOLUME CONTROL
Use to adjust volume level.

NOTE:
This unit is equipped with a circuit that attenuates the effect of tone and loudness controls as volume is turned up.

⓭ MUTING switch/indicator (Model A-717 MARK II only)
Use to temporarily cut sound volume.

ON:
The indicator lights. The sound volume will be cut off.

OFF:
The indicator goes off. The sound will return to its previous volume.

⓮ INPUT SELECTOR switch
Use to select playback source.

LINE:
Set to this position when listening to the programs from a component connected to the LINE terminals.

TUNER:
Set to this position when listening to AM or FM broadcasts with a tuner.

PHONO:
Set to this position when listening to record playback on a turntable.

CD:
Set to this position when listening to a compact disc playback with a CD player.

DAT/TAPE 1:
For playback with a tape deck or digital audio tape deck connected to the DAT/TAPE 1 terminals.

TAPE 2:
For playback with a tape deck connected to the TAPE 2 terminals.

⓯ REC SELECTOR switch
Switch to select recording signal. When set at other than SOURCE or OFF position, signals of other equipment can be recorded during playback on the equipment selected by INPUT SELECTOR switch.

TUNER:
To record the equipment of TUNER terminals.

CD:
To record the equipment of CD terminals.

OFF:
In this position, nothing from the REC terminals of DAT/TAPE 1 and TAPE 2 will be output. Select it when not recording, the tape deck will be disconnected, improving sound quality.

SOURCE:
To record the equipment selected by INPUT SELECTOR switch.

TAPE:
1 ► 2 — To record (copy) from the tape deck of DAT/TAPE 1 terminals, over to the tape deck of TAPE 2 terminals.
2 ► 1 — To record (copy) from the tape deck of TAPE 2 terminals, over to the tape deck of DAT/TAPE 1 terminals.

NOTE:
The REC SELECTOR switch has no effect on the recording out put of the ADPT 1/TAPE 3 terminals.

OPERATIONS

BEFORE BEGINNING OPERATIONS

Set the controls and switches as follows: See Fig. 1.

1. Set the POWER switch to ON. ❶
2. Set the SPEAKERS switch to A, B or A + B. ❸
3. Set the BALANCE control to the center position. ❻
4. Set the ADPT 1/TAPE 3 switch to OFF. ❾
5. Set the DIRECT switch to OFF. ❿

PLAYBACK PROCEDURES

1. **Set the INPUT SELECTOR or ADPT 1/TAPE 3 switch.**
   Use to select playback source.
   - When listening to programs from equipment connected to the LINE terminals: Set to |LINE|.
   - When listening to an AM/FM broadcast: Set to |TUNER|.
   - When listening to a record: Set to |PHONO|.
     PHONO EQ switch to ON. (Model A-717 MARK II only)
     Set PHONO SELECTOR switch to MM (MM SUBSONIC) or MC (MC SUBSONIC) according to the type of cartridge being used.
   - When listening to a compact disc: Set to |CD|.
   - When listening to a tape: Set to |DAT/TAPE 1|, |TAPE 2| or |ADPT 1/TAPE 3|.
2. **Operate equipment to begin playback.**
3. **Adjust playback volume with the VOLUME CONTROL on this unit.**

RECORDING TAPES:

1. **Select the recording equipment with REC SELECTOR switch.**
   - When set to the SOURCE position, the signals from the device connected to the selected input terminals are recorded. (To record signals from the device connected to the PHONO or LINE terminals, set the REC SELECTOR switch to SOURCE and set the INPUT SELECTOR switch to PHONO or LINE.)
     When recording the signal from PHONO terminal, set PHONO EQ switch to ON position. (Model A-717 MARK II only)
   - Recording is impossible with the switch set to OFF.

> *NOTE:*
> *When this switch is set at other than SOURCE position, the equipment selected by REC SELECTOR switch can be recorded, irrespective of the settings of INPUT SELECTOR and DIRECT switches.*

2. **When using the tape deck connected to the ADPT 1/TAPE 3 terminals for recording**
   - The source selected with the INPUT SELECTOR will be recorded, regardless of the REC SELECTOR position. However, recording will not be possible when the DIRECT switch is ON.
3. **Begin recording by operating the recording equipment and tape deck.**
   - Refer to the operating instructions for your tape deck for proper operating procedures.

MONITORING WHILE RECORDING

On a 3-head tape deck, sound can be concurrently heard while recording on tape. This operation of checking the sound quality and recording level is called "monitoring." At the time of monitoring, set the INPUT SELECTOR switch of this equipment in the following way, to match the tape deck on which recording is being done.

- When recording on the tape deck of DAT/TAPE 1 terminals: Set to DAT/TAPE 1.
- When recording on the tape deck of TAPE 2 terminals: Set to TAPE 2.
- When recording on the tape deck of ADPT 1/TAPE 3 terminals:
  ADPT 1/TAPE 3 switch to ON.

COPYING TAPES:

When two decks (or a double cassette deck) are used, you can record the sounds from one deck onto the other.

Application examples:

- To make a tape copy with contents identical to the original tape.
- To edit a recording of an FM broadcast in order to cut out unwanted commercials, recording only desired material onto another tape.

When using two tape decks

1. **Load tapes for playback (pre-recorded tape) and recording into the respective tape decks.**
2. **Select the tape deck to be copied with REC SELECTOR switch.**
   - When copying from the tape deck of DAT/TAPE 1 terminals, to the tape deck of TAPE 2 terminals: Set to 1 ► 2.
   - When copying from the tape deck of TAPE 2 terminals, to the tape deck of DAT/TAPE 1 terminals: Set to 2 ► 1.

> *NOTE:*
> *The tape selected with REC SELECTOR switch can be copied, regardless of the settings of INPUT SELECTOR and DIRECT switches.*

3. **Operate the tape decks to begin copying.**
   Set the tape deck with the original (playback) tape to the playback mode, and set the tape deck with the tape to the recording mode.

Playback using graphic equalizer

- As to A-717 MARK II, it can deal with playback of all sources by connecting the graphic equalizer to the ADPT 2 terminals. However, it is not possible when the DIRECT switch is ON.

> *NOTE:*
> *Remove the shorting bars before connecting to these terminals. Always keep the bars inserted while the terminals are not in use, and take care not to lose them (A-717 MARK II only).*

CONNECTING CORDS

Fig.2

CONNECTING SPEAKER CORDS

1. Strip off the vinyl covering and twist the tip of the wire core.
2. Loosen the knob and insert the wire core into the terminal hole.
3. Tighten the knob to fix the wire core in place.

NOTE:
Do not allow the wire core to protrude and touch other terminals or wires. If the cores of differing wires touch, damage may be caused to your components.

Fig.3

CONNECTING INPUT/OUTPUT CORDS

Connect the white plug to the L (left) side, and the red plug to the R (right) side. Be sure to push the plugs in securely.

Speaker Impedance

When speaker systems are connected to only one of the SPEAKERS A or B terminals, such speakers should have rated impedance in the range of 4-16Ω.
When speakers are connected to both the A and B terminals, they should have a rated impedance in the range of 8-32Ω.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that these is something wrong with this components. Check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask you nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable Cause	Remedy
No power supplied to unit	• Power plug is disconnected from outlet. • The component power plug has been plugged into another component power outlet (e.g. timer, etc.), but power to that unit is disconnected.	• Insert plug securely in outlet. • Turn on power to other component.
No sound	• Connecting cords are disconnected from terminals, or connected incorrectly. • Terminals, or connecting cords pin plugs are dirty. • The INPUT SELECTOR or ADPT 1/TAPE 3 switch selected does not match the component being played back. • Operation of other components is incorrect. • The SPEAKERS selector switch is set to "OFF" • The PHONO EQ switch is "OFF" position (When listening PHONO in A-717 MARK II).	• Connect securely. • Clean terminals and plugs. • Set switches correctly (PHONO, TUNER, CD, LINE, DAT/TAPE 1, TAPE 2). Set the ADPT 1/TAPE 3 to OFF. • Consult the operating instructions for the other components. • Set the switch to "A," "B" or "A + B." • Set PHONO EQ switch to "ON" position.
No sound from one speaker	• Connecting cords or speaker cords are disconnected on that side. • BALANCE control has been adjusted to one side.	• Connect securely. • Adjust BALANCE control to center position.
Can't record tapes	• The position of the REC SELECTOR switch is incorrect. • Connections are incorrect. • Operation of tape deck is incorrect.	• Set switch correctly (See section "RECORDING TAPES"). • Reconnect properly. • Consult the operating instructions for the tape deck.
Can't perform tape copying	• The position of the REC SELECTOR switch is incorrect. • Operation of tape decks is incorrect.	• Set switch correctly (See section "COPYING TAPES"). • Consult the operating instructions for the tape decks.

SPECIFICATIONS

[A-616 MARK II]

Continuous power output (both channels driven at 20 Hz to 20 kHz)*
- T.H.D. 0.005%, 8Ω ..... 70W + 70W
- T.H.D. 0.008%, 4Ω ..... 95W + 95W

DIN continuous power output (both channe s driven)
- 1 kHz, T.H.D. 1%, 8Ω ..... 80W + 80W
- 1 kHz, T.H.D. 1%, 4Ω ..... 120W + 120W

Power bandwidth
- 0.05%, 8Ω ..... 4 Hz – 80 kHz

Damping factor
- (1 kHz/20 Hz to 20 kHz), 8Ω 200/70

Dynamic power output (on EIA dynamic test signal)
- 8Ω ..... 85W + 85W
- 4Ω ..... 130W + 130W
- 2Ω ..... 150W + 150W

Total harmonic distortion *
- 20 Hz to 20 kHz, 70W, 8Ω 0.005%
- 20 Hz to 20 kHz, 95W, 4Ω 0.008%

Inter-modulation distortion (at rated output) 0.005%

Input sensitivity/impedance
- PHONO (MM) ..... 2.5 mV/50 kΩ
- PHONO (MC) 0.2 mV/100Ω
- CD, TUNER, LINE, TAPE ..... 150 mV/50 kΩ

PHONO overload level
- 1 kHz, T.H.D. 0.008% (MM/MC) ..... 200 mV/19 mV

Output level/impedance
- TAPE REC, ADAPTOR OUTPUT ..... 150 mV/2.2 kΩ

Frequency response
- PHONO (MM), 20 Hz to 20 kHz ..... ±0.2 dB
- PHONO (MC), 20 Hz to 20 kHz ..... ±0.3 dB
- CD, TUNER, LINE, TAPE 1 Hz to 150 kHz ..... $^{+0}_{-3}$ dB

Tone control (volume control set at −40 dB position)
- BASS ..... ±8 dB (100 Hz)
- TREBLE ..... ±8 dB (10 kHz)

Loudness contour (volume control set at −40 dB position)
+5 dB (100 Hz)/+3 dB (10 kHz)

Filter (SUBSONIC) .....17 Hz (12 dB/oct.)

Signal-to-Noise ratio (IHF short circuit, A network)
- PHONO (MM, 5 mV input/MC, 0.5 mV input) ... 95 dB/77 dB
- CD, TUNER, LINE, TAPE ..... 108 dB

Signal-to-Noise ratio (DIN, continuous power/50 mW)
- PHONO (MM) ..... 74 dB/65 dB
- CD, TUNER, LINE, TAPE ..... 92 dB/66 dB

Power Supply/Miscellaneous

Power requirements ..... ~ a.c.220V, 50/60 Hz
Power consumption 650W
Dimensions ..... 420(W) × 435(D) × 162(H) mm
16-1/2(W) × 17-1/8 (D) × 6-3/8 (H) in
Weight (without package) ..... 14 kg (30 lb 14 oz)

Accessories

Operating instructions 1

- Specifications and design subject to possible modification without notice due to improvements.
- *Measured by Audio Spectrum Analyzer.

[A-717 MARK II]

Continuous power output (both channels driven) *
- 20 Hz to 20 kHz, T.H.D. 0.003%, 8Ω .... 95W + 95W
- 20 Hz to 20 kHz, T.H.D. 0.005%, 4Ω ... 140W + 140W

DIN continuous power output (both channels driven)
- 1 kHz, T.H.D. 1%, 8Ω ..... 100W + 100W
- 1 kHz, T.H.D. 1%, 4Ω ..... 150W + 150W

Power bandwidth
- 0.05%, 8Ω ..... 4 Hz – 80 kHz

Damping factor
- (1 kHz/20 Hz to 20 kHz), 8Ω 200/70

Dynamic power output (on EIA dynamic test signal)
- 8Ω ..... 120W + 120W
- 4Ω ..... 180W + 180W
- 2Ω ..... 250W + 250W

Total harmonic distortion *
- 20 Hz to 20 kHz, 95W, 8Ω 0.003%
- 20 Hz to 20 kHz, 140W, 4Ω 0.005%

Inter-modulation distortion (at rated output) 0.003%

Input sensitivity/impedance
- PHONO (MM) ..... 2.5 mV/50 kΩ
- PHONO (MC) 0.2 mV/100Ω
- CD, TUNER, LINE, TAPE ..... 150 mV/50 kΩ

PHONO overload level
- 1 kHz, T.H.D. 0.008% (MM/MC) ..... 200 mV/19 mV

Output level/impedance
- TAPE REC, ADAPTOR OUTPUT ..... 150 mV/2.2 kΩ

Frequency response
- PHONO (MM), 20 Hz to 20 kHz ..... ±0.2 dB
- PHONO (MC), 20 Hz to 20 kHz ..... ±0.3 dB
- CD, TUNER, LINE, TAPE 1 Hz to 150 kHz ..... $^{+0}_{-3}$ dB

Tone control (volume control set at −40 dB position)
- BASS ..... ±8 dB (100 Hz)
- TREBLE ..... ±8 dB (10 kHz)

Loudness contour (volume control set at −40 dB position)
+5 dB (100 Hz)/+3 dB (10 kHz)

Filter (SUBSONIC) .....17 Hz (12 dB/oct.)

Signal-to-Noise ratio (IHF short circuit, A network)
- PHONO (MM, 5 mV input/MC, 0.5 mV input) ... 95 dB/77 dB
- CD, TUNER, LINE, TAPE .....108 dB

Signal-to-Noise ratio (DIN, continuous power/50 mW)
- PHONO (MM) ..... 74 dB/65 dB
- CD, TUNER, LINE, TAPE ..... 92 dB/66 dB

Power Supply/Miscellaneous

Power requirements ..... ~ a.c.220V, 50/60 Hz
Power consumption 820W
Dimensions ..... 420(W) × 435(D) × 162(H) mm
16-1/2(W) × 17-1/8 (D) × 6-3/8 (H) in
Weight (without package) ..... 19 kg (41 lb 14 oz)

Accessories

Operating instructions 1

- Specifications and design subject to possible modification without notice due to improvements.
- *Measured by Audio Spectrum Analyzer.

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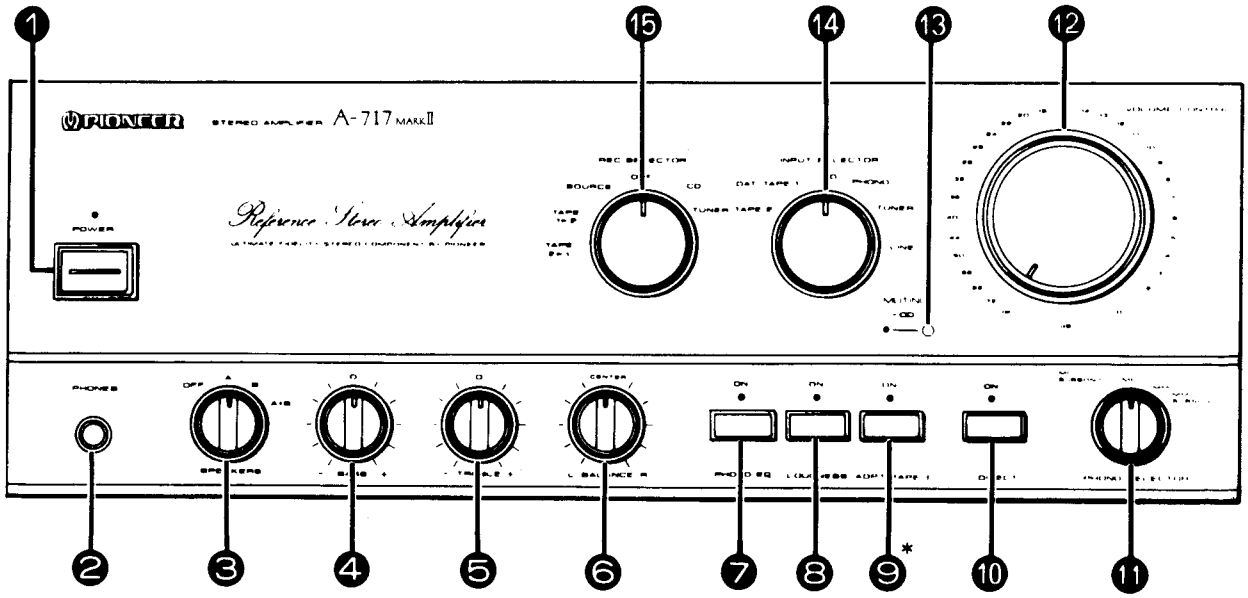
Nous vous remercions pour cet achat d'un produit Pioneer. Nous vous demandons de lire soigneusement ce mode d'emploi; vous serez ainsi à même de faire fonctionner l'appareil correctement. Après avoir bien lu le mode d'emploi, le ranger dans un endroit sûr pour pouvoir s'y référer ultérieurement.
Dans certains pays ou certaines régions, la forme de la fiche d'alimentation et de la prise d'alimentation peut différer de celle qui figure sur les schémas, mais les branchements et le fonctionnement de l'appareil restent les mêmes.

ORGANES DE COMMANDE

Fig. 1



Le modèle A-616 MARK II nést pas équipè des organes ❼ et ⓭

* A-616 MARK II . . . . . ADPT/TAPE 3
A-717 MARK II . . . . . ADPT 1/TAPE 3

Fig. 2

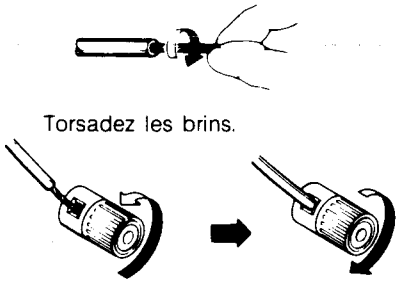


Fig. 3